

## **ABSTRACT**

A graphics card for smoothing the playing of video includes a video capture engine for receiving a digital video signal, a memory connected to the video capture engine for storing the digital video signals captured by the video capture engine, a video display engine connected to memory for receiving digital video signals stored in the memory, and a clock generator connected to the video capture engine and the video display engine for providing the same clock to the video capture engine and the video display engine so as to synchronize the signal receiving rates of the video capture engine and the video display engine.